BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

SCHDULE-B

Name of Work : Drilling of Borewell and Providing Pumping Machinery and Pipeline for supply of water to Chikkasansdra, Medarahalli, Abbigere, Kammagondanahalli in Ward No.12 Shettyhalli Sub Division.

Sl. No.	Description of Work	Unit	Qty	Sanctioned Rate	
				In Figure	In Words
1	2	3	4	5	6
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc. Complete as per Specifcation	Each	10.00	1900.00	Rupees One Thousand Nine Hundred Only
2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all Complete as per Specifcation				
a	0.00 to 50.00 mtrs	Rmtr	500.00	287.00	Rupees Two Hundred Eighty Seven Only
b	50mtr to 100.00 mtr		500.00	379.00	Rupees Three Hundred Seventy Nine Only
c	100.00 to 150.00 mtr		500.00	422.00	Rupees Four Hundred Twenty Two Only
d	150.00 to 200.00 mtr		500.00	464.00	Rupees Four Hundred Sixty Four Only
e	200.00 to 250.00 mtr		500.00	513.00	Rupees Five Hundred Thirteen Only
f	250.00 to 300.00 mtr		500.00	550.00	Rupees Five Hundred Fifty Only
g	300.00 to 310.00 mtr		100.00	550.00	Rupees Five Hundred Fifty Only

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3	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. (Inclusive of all taxes) Complete as per Specifcation				
a	Casing pipe	Rmt	450.00	1325.00	Rupees One Thousand Three Hundred Twenty Five Only
4	Additional rate on item No. 2 is allowed for drilling in over burden and folling casing pipes beyond 20mtrs, rate at 15% and beyond 30mtrs 30% on basic rate of Rs.287 is allowe Complete as per Specifcation				
a	Above 20 mtrs and Upto 30 mtrs at	Mtrs	100.00	43.05	Rupees Forty Three and Five Paise Only
b	Above 30 mts	Mtrs	40.00	86.10	Rupees Eighty Six and Ten Paise Only
5	Providing 175 mm dia MS Collar (RDED SR page ii,	Each	80.00	150.00	Rupees One Hundred
6	Providing 175 mm dia MS Complete as per Specifcation	Each	10.00	100.00	Rupees One Hundred Only
7	Supply and delivery at site brand new Texmo / Innoval / Lubi / Sabar / Atalanta / Calamal / waterman / Radha make suitable vertical installation in 150mm dia. Borewells comprising of single stage or miultistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction mortor suitable for operation of 3Ph., 50Hz. 380/44 volts AC supply fitted with required accessories such as suction. casing, suction strainers, sand guard Non return valve etc. Complete as per Specifcation	No	10.00	52000.00	Rupees Fifty Two Thousand Only
8	Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts Complete as per Specifcation	Mtrs	5250.00	151.00	Rupees One Hundred Fifty One Only
9	Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads Complete as per Specifcation	Nos	10.00	1530.00	Rupees One Thousand Five Hundred Thirty Only
10	Supplying and fixing 50mm GM Gae Vavle Complete as per Specifcation	Nos	10.00	1430.00	Rupees One Thousand Four Hundred Thirty Only

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11	Supplying and fixing 160mm Borewell cap with clampset Complete as per Specifcation	Nos	10.00	690.00	Rupees Six Hundred Ninety Only
12	Supplying and fixing 50mm GI Union (As Per Rate approved by SE, RDED, Letter No.2081/2010-11 Dt: 28-07-2010)Complete as per Specifcation	Nos	10.00	245.00	Rupees Two Hundred Forty Five Only
13	Supplying and fixing 50mm GI Elbow (As Per Rate approved by SE, RDED, Letter No.2081/2010-11 Dt: 28-07-2010) Complete as per Specifcation	Nos	30.00	120.00	Rupees One Hundred Twenty Only
14	Supplying and fixing 50mm GI coller Heavy duty Complete as per Specifcation	Nos	460.00	170.00	Rupees One Hundred Seventy Only
15	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adharsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for opration on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consist etc., complete the panel board shall be fabricated on single unit in the above componenets panel board for suitable pumpset with star delta staretr out door type 10hp to 15 Complete as per Specifcation	Nos	10.00	10000.00	Rupees Ten Thousand Only
16	Providing and fixing of 50mm G.I pipe 'C' class heavy duty foe erection of submersible pumpset Complete as per Specifcation	Mtrs	2600.00	402.75	Rupees Four Hundred Two and Seventy Five Paise Only
17	Erection of combined panel board and meter unit with necessary materials and labour including providing cement concrete foundation bed cont door type etc., complete (As Per Rtae Approved by CE, RDED, Letter No-8650/2003-01 Dt: 8-3-2004)	Nos	10.00	475.00	Rupees Four Hundred Seventy Five Only
18	Supplying of TPST with rewireable porcelain channels in SM encloser 15/32 amps	Nos	10.00	1350.00	Rupees One Thousand Three Hundred Fifty Only
19	Supplying and fixing 500x500x65mm polished wood board made up not less than 15mm thick plank in front plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts,	Nos	10.00	275.00	Rupees Two Hundred Seventy Five Only
20	Supplying and fixing LED Type panel board indicating lamp with required colour suitable for 220 v AC 50Hz 12/24 V DC Group 'B'.	Nos	12.00	350.00	Rupees Three Hundred Fifty Only
21	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or Concealed system of wiring) 7/20 or 7/36 copper wire.	Nos	100.00	25.00	Rupees Twenty Five Only

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22	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 PHASE 400/440 Volts grade for power factor improvement of rotating machinery capacitor in KVAR - rating Nos 2 KVAR Capacity	Nos	3.00	350.00	Rupees Three Hundred Fifty Only
23	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required	Nos	10.00	1075.00	Rupees One Thousand Seventy Five Only
24	Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc. Complete as per Specifcation.	Nos	10.00	1500.00	Rupees One Thousand Five Hundred Only
25	Supplying and fixing class A (medium duty) GI pipe wall thickness not less than 3.25mm on pole.	Nos	100.00	220.00	Rupees Two Hundred Twenty Only
26	Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoratio 4 core 16 sqmm.	Mtrs	350.00	150.00	Rupees One Hundred Fifty Only
27	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required,	Mtrs	350.00	5.00	Rupees Five Only
28	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc. Complete as per Specifcation	Mtrs	300.00	50.00	Rupees Fifty Only
29	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with neccesary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc. Complete as per Specifcation	Nos	10.00	240.00	Rupees Two Hundred Forty Only
30	Supplying and fixing of porcelain fuse channel with cut-out on existing / new wooden panel using neccesary nuts, bolts and washers etc. Complete as per Specifcation	Nos	60.00	100.00	Rupees One Hundred Only
b	BECOM Deposit Charges and misc	L.S	10.00	14000.00	Rupees Fourteen Thousand Only
31	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum	3309.00	190.80	Rupees One Hundred Ninety and Eighty Paise Only

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32	Providing and installing at site of work P.V.C pipees including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth available from the excavation etc. Complete as per Specifcation	Rmt	7172.00	119.00	Rupees One Hundred Nineteen Only
33	Supplying and fixing 50 mm GI pipes 'C' class heavy duty Complete as per Specifcation	Rmt	600.00	402.75	Rupees Four Hundred Two and Seventy Five Paise Only
34	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. Including cost of all labour complete as per specification.	Cum	7295.00 3582.02	51.41	Rupees Fifty One and Forty One Paise Only
35	Transportation of pumping machineries Complete as per Specifcation	No	10.00	850.00	Rupees Eight Hundred Fifty Only
36	Erection of Pumping machineries Complete as per Specifcation	No	10.00	850.00	Rupees Eight Hundred Fifty Only

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